

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process ~~Process~~ for producing a plastics article from a plastic obtainable via free-radical polymerization with inorganic coating on one or more sides via the following ~~process~~ steps:

- a) using doctoring, flow coating, or immersion to coat a substrate with a lacquer composition in which a silicon-based adhesion promoter and inorganic particles are present in a ratio of from 1:9 to 9:1 in a solvent which, where appropriate, may also comprise flow control agent[[,]];
 - b) drying the lacquer composition on the substrate, thus obtaining the coated substrate[[,]];
 - c) using one or more substrates thus coated to construct a polymerization cell, where the coated sides are in the interior of the cell[[,]];
 - d) charging a polymerizable liquid composed of monomers capable of free-radical polymerization, where appropriate with polymeric content, to the polymerization cell[[,]];
 - e) free-radical polymerization of the polymerizable liquid in the presence of a polymerization initiator, whereupon the internal inorganic coating transfers from the substrate into or onto the surfaces of the free-radical-polymerized plastic or of the plastics article[[,]]; and
 - f) removing the coated plastics article with inorganic coating on one or more sides from the polymerization cell.

Claim 2 (Currently Amended): The process ~~Process~~ according to Claim 1,
~~characterized in that~~ wherein the plastics article has the shape of a flat sheet.

Claim 3 (Currently Amended): The process ~~Process~~ according to Claim 1 ~~or 2~~,
~~characterized in that~~ wherein the plastic obtainable via free-radical polymerization is a
polymethyl methacrylate or a polystyrene.

Claim 4 (Currently Amended): The process ~~Process~~ according to ~~one or more of~~
~~Claims 1 to 3~~ Claim 1, ~~characterized in that~~ wherein the adhesion promoter is composed of a
colloidal solution of SiO₂ particles or of silane condensates.

Claim 5 (Currently Amended): The process ~~Process~~ according to ~~one or more of~~
~~Claims 1 to 4~~, ~~characterized in that~~ Claim 1, ~~wherein~~ the lacquer composition comprises from
1 to 2% by weight of SiO₂ particles and from 2.5 to 7.5% by weight of antimony tin oxide
particles in water as solvent.

Claim 6 (Currently Amended): The process ~~Process~~ according to Claim 5,
~~characterized in that~~ wherein the lacquer composition ~~also~~ further comprises a surfactant or a
mixture of surfactants as flow control agent.

Claim 7 (Currently Amended): The process ~~Process~~ according to ~~one or more of~~
~~Claims 1 to 6~~, ~~characterized in that~~ Claim 1, ~~wherein~~ the substrate be coated is a glass sheet, a
plastics sheet, or a plastics film.

Claim 8 (Currently Amended): The process ~~Process~~ according to Claim 7, ~~characterized in that~~ wherein the plastics sheet or a plastics film is composed of polyethylene terephthalate.

Claim 9 (Currently Amended): The process ~~Process~~ according to ~~one or more of~~ ~~Claims 1 to 8,~~ characterized in that Claim 1, wherein the substrate is dried with the lacquer composition at a temperature in the range from 80 to 120°C.

Claim 10 (Currently Amended): The process ~~Process~~ according to ~~one or more of~~ ~~Claims 1 to 9,~~ characterized in that Claim 1, wherein the polymerizable liquid is polymerized at from 40 to 80°C.

Claim 11 (Currently Amended): The process ~~Process~~ according to ~~one or more of~~ ~~Claims 1 to 10,~~ characterized in that Claim 1, wherein use is made of a polymerization cell in essence consisting of two sheets with peripheral sealing bead.

Claim 12 (Currently Amended): The process ~~Process~~ according to ~~one or more of~~ ~~Claims 1 to 11,~~ characterized in that Claim 1, wherein a sheet of polymethyl methacrylate plastic is produced with an electrically conductive coating on one or two sides.

Claim 13 (Currently Amended): A plastics article obtained ~~Plastics articles obtainable~~ by a process according to ~~one or more of~~ ~~Claims 1 to 12~~ Claim 1.

Claim 14 (Currently Amended): The plastics Plastics article according to Claim 13, characterized in that it wherein the article has an electrically conductive coating with a surface resistance smaller than or equal to $10^{10} \Omega$.

Claim 15 (Currently Amended): The plastics Plastics article according to Claim 12 or 13, characterized in that wherein the layer thickness of the electrically conductive coating is in the range from 200 to 5000 nm.

Claim 16 (Currently Amended): The plastics article Plastics according to ~~one or more of Claims 12 to 15, characterized in that the~~ Claim 12, wherein a scrub resistance of the inorganically coated surface to DIN 53 778 is at least 10 000 cycles.

Claim 17 (Currently Amended): ~~Use of the plastics article according to one or more of Claims 11 to 16~~ A plastics article for encasing structures, for equipping cleanrooms, for machine covers, for incubators, for displays, for visual display screens and visual-display-screen covers, for rear-projection screens, for medical apparatus, or for electrical devices comprising the plastics article of Claim 13.